



DOCUMENT-IDENTIFIER: US 5240415 A
TITLE: Dental bleach system having separately compartmented
fumed silica and
hydrogen peroxide and method of using

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DEPR:

In practicing the novel method of this invention, the dental professional (not shown) carefully prepares patient 40 according to the practices of the profession. This may include, for example, cleaning teeth 32 and isolating teeth 32a and 32b with a conventional rubber dam (not shown). Thereafter, when ready to proceed with the bleaching process the dental professional obtains kit 10 and carefully removes cover 14 as indicated by arrow 15 only to the extent of exposing ampule 22 and spatula 20. Fumed silica 20 is temporarily kept covered by cover 14 until the dental professional is ready to produce the bleaching paste. Ampule 22 is then retrieved along with spatula 24. Cover 14 is pulled away from recess 16 as shown by arrow 15 to expose fumed silica. Frangible neck 23 is broken and the hydrogen peroxide solution in ampule 22 is

poured into fumed silica 20 while mixing with spatula 24 until a paste 21 of hydrogen peroxide solution and fumed silica 20 has been formed.

CLPR:

3. The dental bleach system defined in claim 1 wherein said mixing means comprises a spatula and said tray comprises a third compartment for receiving said spatula, said spatula serving as said mixing means and as said application means for applying said paste to the teeth.

CLPR:

7. The dental bleach system defined in claim 4 wherein said mixing means comprises a spatula means for blending said hydrogen peroxide with said fumed silica.